Claims

1. A mobile phone including a broadcast receiving unit that receives a broadcast, comprising:

a storage unit operable to store position information of a base station in correspondence with a receiving frequency of a broadcast station receivable in an area indicated by the position information;

a position information acquisition unit operable to acquire position information of a base station;

a judgment unit operable to judge whether the acquired position information of the base station is stored in the storage unit; and

a receiving control unit operable to, when the acquired position information is stored, read the receiving frequency corresponding to the acquired position information, and instruct the broadcast receiving unit to receive the broadcast at the read receiving frequency.

2. The mobile phone of Claim 1, wherein

the receiving control unit, when the acquired position information is not stored, includes:

a frequency detection unit operable to perform auto preset processing of detecting a receiving frequency of a receivable broadcast station; and

a recording unit operable to record the detected receiving frequency in correspondence with the acquired position information in the storage unit, and

the receiving control unit, when the acquired position information is not stored, instructs the broadcast receiving unit to receive the broadcast at the detected receiving frequency.

3. The mobile phone of Claim 2, including:

a table acquisition unit operable to acquire a frequency range correspondence table that shows a correspondence between area information that identifies a country or an area and a frequency range receivable in the identified country or area; and

a specification receiving unit operable to receive a specification of a piece of area information, wherein

the frequency detection unit performs the auto preset processing within the frequency range corresponding to the specified area information.

4. The mobile phone of Claim 3, wherein

the frequency range correspondence table shows a correspondence among the area information, the frequency range, and an audio deemphasis amount in the identified country or area,

the mobile phone includes an audio output unit operable to output audio, and

the audio output unit outputs the audio by deemphasizing an audio signal of the broadcast to be received based on the audio deemphasis amount corresponding to the specified area information.

5. The mobile phone of Claim 2, further comprising:

a reading time recording unit operable to, each time the receiving frequency is read by the receiving control unit, record a last reading time of the receiving frequency in correspondence with an area number corresponding to the receiving frequency in the storage unit;

a monitoring unit operable to monitor the last reading time corresponding to the area number at a constant time interval; and

a recording deletion unit operable to delete a recorded number of receive counts of the receiving frequency relating to the area number from the storage unit for which no less than a predetermined time period has passed since the last reading time of the receiving frequency.

6. The mobile phone of Claim 2, further comprising:

a number of read counts recording unit operable to, each time the receiving frequency is read by the receiving control unit, update a number of read counts of the receiving frequency, and record the updated number of read counts in correspondence with an area number corresponding to a read number of receive counts in the storage unit;

a monitoring unit operable to monitor the number of read counts corresponding to the area number within a predetermined time period; and

a recording deletion unit operable to, when the monitored number of read counts is less than a number of predetermined

counts, delete a recorded number of receive counts of the receiving frequency relating to the area number corresponding to the number of read counts from the storage unit.

7. The mobile phone of either of Claims 5 and 6, wherein

the monitoring unit monitors whether a memory capacity of the storage unit is full, and

the recording deletion unit, only when the memory capacity is full, deletes the recorded number of receive counts from the storage unit.

8. The mobile phone of any of Claims 1 to 6, wherein

the position information is position information of a call area to which the base station belongs.

9. The mobile phone of Claim 7, wherein

the position information is position information of a call area to which the base station belongs.

10. The mobile phone of any of Claims 1 to 6, wherein

the broadcast is a television broadcast or a radio broadcast.

11. The mobile phone of Claim 7, wherein

the broadcast is a television broadcast or a radio broadcast.

12. The mobile phone of Claim 8, wherein

the broadcast is a television broadcast or a radio broadcast.

13. The mobile phone of Claim 9, wherein the broadcast is a television broadcast or a radio broadcast.